EXHIBIT D

470

Schools and Libraries Universal Service
Description of Services Requested
and Certification Form

Exhibit F-D

Estimated Average Burden Hours Per Response: 4.0 hours

This form is designed to help you describe the eligible telecommunications-related services you seek so that this data can be posted on the Fund Administrator website and interested service providers can identify you as a potential customer and compete to serve you.

Please read Instructions before beginning this application.   (To be completed by entity that will negotiate with providers.)

Block 1: Applicant Address and Identifications

Form 470 Application Number: 758360000571376	
Applicant's Form Identifier: 470200600	
Application Status: CERTIFIED	
Posting Date: 01/04/2006	
Allowable Contract Date: 02/01/2006	
Certification Received Date: 01/04/2006	

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1. Name of Applicant:
CHINLE UNIFIED SCHOOL DIST 24

2. Funding Year: 07/01/2006 - 06/30/2007	**3. Your Entity Number** 143224

4a. Applicant's Street Address, P.O.Box, or Route Number

ROUTE 7

City CHINLE	State AZ	Zip Code 86503

b. Telephone number (928) 674- 9650	**C. Fax number** (928) 674- 9608

5. Type Of Applicant

- [ ] Individual School (individual public or non-public school)
- [x] School District (LEA;public or non-public[e.g., diocesan] local district representing multiple schools)
- [ ] Library (including library system, library outlet/branch or library consortium as defined under LSTA)
- [ ] Consortium (intermediate service agencies, states, state networks, special consortia of schools and/or libraries)

6a. Contact Person's Name: Quincy Natay / Larry DiLucchio

*First, if the Contact Person's Street Address is the same as in **Item 4** above, check this box. If not, please complete the entries for the Street Address below.*

6b. Street Address, P.O.Box, or Route Number
- [ ] US Highway 191 and Navajo Route 7

City	State	Zip Code

Chinle	AZ	86503

Check the box next to your preferred mode of contact and provide your contact information. One box MUST be checked and an entry provided.

	6c. Telephone Number	(928) 674- 9632
	6d. Fax Number	(928) 674- 9646
	6e. E-mail Address dilucchio@yahoo.com	

Block 2: Summary Description of Needs or Services Requested

7 This Form 470 describes (check all that apply):

a. ☑ Tariffed or month-to-month services to be provided without a written contract. A new Form 470 must be filed for non-contracted tariffed or month-to-month services for each funding year.

b. ☑ Services for which a new written contract is sought for the funding year in Item 2.
Check if you are seeking ☑ a multi-year contract and/or ☑ a contract featuring voluntary extensions

c. ☐ A multi-year contract signed on or before 7/10/97 but for which no Form 470 has been filed in a previous funding year.

NOTE: Services that are covered by a signed, written contract executed pursuant to posting of a Form 470 in a previous funding year OR a contract signed on/before 7/10/97 and previously reported on a Form 470 as an existing contract do NOT require filing of a new Form 470.

What kinds of service are you seeking: Telecommunications Services, Internet Access, Internal Connections Other than Basic Maintenance, or Basic Maintenance of Internal Connections? Refer to the Eligible Services List at www.sl.universalservice.org for examples. Check the relevant category or categories (8, 9, 10 and/or 11 below), and answer the questions in each category you select.

8 ☑ **Telecommunications Services**
Do you have a Request for Proposal (RFP) that specifies the services you are seeking ? If you check YES, your RFP must be available to all interested bidders for at least 28 days. If you check YES and your RFP is not available to all interested bidders, or if you check NO and you have or intend to have and RFP, you risk denial of your funding requests.

a ☑ YES, I have released or intend to release an RFP for these services. It is available or will become available on the Web at at **www.chinleusd.k12.az.us/erate2006.html** or via (check one):
☐ the Contact Person in Item 6 or ☐ the contact listed in Item 12.

b ☐ NO , I have not released and do not intend to release an RFP for these services.

Whether you check YES or NO, you must list below the Telecommunications Services you seek. Specify each **service or function** (e.g., local voice service) and quantity and/or capacity (e.g., 20 existing lines plus 10 new ones). See the Eligible Services List at www.sl.universalservice.org for examples of eligible Telecommunications services. Remember that only eligible telecommunications providers can provide these services under the universal service support mechanism. Attach additional lines if needed.

c ☑ **Check this box if you prefer discounts on your bill.**	☐ **Check this box if you prefer reimbursement after paying your bill in full.**	☐ **Check this box if you do not have a preference.**

Service or Function:	Quantity and/or Capacity:
POTS - Local Dial Tone & Service	Incoming and Outgoing trunks, copper lines, DID services for 1000 users and stand alone lines at selected locations at District Schools and offices.
	Cellular phones and service for up to 30

Cellular Services	telephones. Areas of service will be the District and beyond as requested. Will include voicemail and long distance.
T1 Services to local schools	Approximately three T1's connecting Administration to Computer Center.
T1 Services to outlying schools	Up to three T1's for voice and data between Chinle and the Tsaile' & Many Farms Campuses(3 each)
T1 Services for Data	Up to six T1's linking Chinle District Office and other points in Arizona for data transmission. Some lines are for Internet content and may be quoted with full bandwidth of content
Alternative Data Sources	We would consider proposals for alternative delivery such as DS3 and T3 services if competetive as well as direct satellite links. DSL delivery, where it carries more bandwidth than T1's will be considered for Internet Access.
Long Distance Access	Access to long distance carrier from District telephones and trunks. Vendor would also provide plastic credit cards for issue to staff when traveling.
800 Access	Toll free numbers to access district administration .
Homework Hot lines	Toll free numbers available from all served communities to District center.

9 ▣ Internet Access
Do you have a Request for Proposal (RFP) that specifies the services you are seeking ? If you check YES, your RFP must be available to all interested bidders for at least 28 days. If you check YES and your RFP is not available to all interested bidders, or if you check NO and you have or intend to have and RFP, you risk denial of your funding requests.

a ▣ YES, I have released or intend to release an RFP for these services. It is available or will become available on the Web at **www.chinleusd.k12.az.us/erate2006.html** or via (check one):
    ▣ the Contact Person in Item 6 or ▣ the contact listed in Item 12.

b ▣ NO , I have not released and do not intend to release an RFP for these services.

Whether you check YES or NO, you must list below the Internet Access Services you seek. Specify each **service or function** (e.g., monthly Internet service) and quantity and/or capacity (e.g., for 500 users). See the Eligible Services List at www.sl.universalservice.org for examples of eligible Telecommunications services. Remember that only eligible telecommunications providers can provide these services under the universal service support mechanism. Attach additional lines if needed.

| c ▣ Check this box if you prefer discounts on your bill. | ▣ Check this box if you prefer reimbursement after paying your bill in full. | ▣ Check this box if you do not have a preference. |

Service or Function:	Quantity and/or Capacity:
Broadband Internet Access	Internet Bandwidth for 4,000 users. May be bundled with price of T1's or DSL delivery. Presently we have four T1's and anticipate more. Must include 100 internet addresses. Require guarenteed data delivery and up time.
DSL Services	Local DSL services as required to support administrative services.
Dialup Access for Traveling staff	Access to a nation-wide network allowing staff to access the Internet and the district using VPN's

	while on travel.
Commercial Email Accounts	Enhanced webmail accounts that provide storage and access using clients or webmail.
Anti Virus Firewall Service	Eligible firewall to stop viruses and worms from gaining access to the network and users.

10 ☒ Internal Connections Other than Basic Maintenance
Do you have a Request for Proposal (RFP) that specifies the services you are seeking ? If you check YES, your RFP must be available to all interested bidders for at least 28 days. If you check YES and your RFP is not available to all interested bidders, or if you check NO and you have or intend to have and RFP, you risk denial of your funding requests.

a ☒ YES, I have released or intend to release an RFP for these services. It is available or will become available on the Web at **www.chinleusd.k12.az.us/erate2006.html** or via (check one): ☒ the Contact Person in Item 6 or ☒ the contact listed in Item 12.

b ☒ NO , I have not released and do not intend to release an RFP for these services.

Whether you check YES or NO, you must list below the Internal Connections Services you seek. Specify each **service or function** (e.g., a router, hub and cabling) and quantity and/or capacity (e.g., connecting 1 classroom of 30 students). See the Eligible Services List at www.sl.universalservice.org for examples of eligible Telecommunications services. Remember that only eligible telecommunications providers can provide these services under the universal service support mechanism. Attach additional lines if needed.

c ☒ Check this box if you prefer discounts on your bill.	☒ Check this box if you prefer reimbursement after paying your bill in full.	☒ Check this box if you do not have a preference.

Service or Function:	Quantity and/or Capacity:
Additional CAT6e drops in classrooms	District classrooms are targeted to receive 8 CAT6 drops to accomdate student machines, printers and voice terminals. Not all classrooms meet this minimum. See Victor Trejo for counts
Upgraded drops to CAT6e	Some installations require all drops be upgraded to CAT6e as well as rewiring MDF's and IDF's See Victor Trejo for details
Upgrade internal cabling between MDF's and IDF's to fiber	Single mode fiber should connect each site's IDF's and MDF's using single mode fiber. Include fiber, installation and hardware.
Include Stadium Classrooms in Network	Add fiber and copper trunks from closest access points. Terminate with voice and data drops.
Include JROTC classrooms in Network	Presently served by wireless, upgrade to fiber and copper.
Upgrade wireless network to provide coverage on all campuses to allow ininterrupted service for laptop computers, PDA's and VoIP cordless telephones.	Provide sufficient access points as well as provisions to allow users to travel between zones with uninterrupted service. Use 811.g
Relocate MDF for Administrative complex	Move equyipment from Fed Projects to Administrative Center. Extend trunks and lines. Create new wall field for Avaya PBX. Terminate existing trunks on pedistals.
Provide IP Video distribution over WAN	Enable district to use WAn for video distribution. Include hardware for multichannel broadcasting from a variety of sources to existing televisions in classrooms. Include adapters and headend equipment and installations.
Distance Learning Solutions	Provide a system to enable instructors at one campus to teach and interact with students on

	other campuses using the WAN.
Additional Call Managers to provide stand alone IP telephone service to all campuses	**Include programming and integration into existing voice network. Includes activation of enhancements such as security and passing CDR between Avaya and CISCO switches.**
Additional Servers	**Added servers are needed for content delivery, email, dhcp and dns at all campuses. Each campuse should be survivable as a stand alone if WAN connects are severed, except for Internet access.**
Additional UPS's	**All new hardware must include UPS's to provide continuity of service during frequent power fluctiuations.**
Upgrade server Software	**Upgrade existing servers to Windows 2003 or other designated OS, provide CAL licenses for existing and future users**
Upgrade server storage	**Upgrade storage on content and Internet servers to accomodate increased demand for operating systems and network use.**
Upgrade network equiipment firmware	**Ensure all firmware in network routers, switches and PIX'es and other equipment is current with most recent releases.**

11 ☑ Basic Maintenance of Internal Connections
Do you have a Request for Proposal (RFP) that specifies the services you are seeking ? If you check YES, your RFP must be available to all interested bidders for at least 28 days. If you check YES and your RFP is not available to all interested bidders, or if you check NO and you have or intend to have and RFP, you risk denial of your funding requests.

a ☐ YES, I have released or intend to release an RFP for these services. It is available or will become available on the Web at **www,chinleusd.k12.az.us/erate2006.html** or via (check one):
☐ the Contact Person in Item 6 or ☐ the contact listed in Item 12.

b ☐ NO , I have not released and do not intend to release an RFP for these services.

Whether you check YES or NO, you must list below the Basic Maintenance Services you seek. Specify each **service or function** (e.g.,basic maintenance of routers) and quantity and/or capacity (e.g., for 10 routers). See the Eligible Services List at www.sl.universalservice.org for examples of eligible Telecommunications services. Remember that only eligible telecommunications providers can provide these services under the universal service support mechanism. Attach additional lines if needed.

c ☐ **Check this box if you prefer discounts on your bill.**	☐ **Check this box if you prefer reimbursement after paying your bill in full.**	☐ **Check this box if you do not have a preference.**

Service or Function:	**Quantity and/or Capacity:**
Basic Maintenance of Internal Connections	**Maintenance of network equipment and connections to ensure continued operation of eligible equipment. Shall includet the cost of SmartNet to monitor network,**
Basic maintenance of internal wiring.	**Covers costs of maintaining existing wiring including minor changes and moves, repair of non-catastrophic failures.**
Basic Maintenance and upgrades to Avaya PBX System	**Includes all Definity equipment and software upgrades.**
Avaya Voice Mail Maintenance	**Maintenance of Avaya Voice Mail hard-ware and Software/**
	Maintain server hardware and keep basic services

Basic Server Maintenance and upgrades	on line.
Technical consu;lting	Provide network tuneup and diagnostics as required and assist in planning expansions and changes.
Email Server maintenance Unified Messaging	Service hardware and software on Exchange server

12 (Optional) Please name the person on your staff or project who can provide additional technical details or answer specific questions from service providers about the services you are seeking. This need not be the contact person listed in Item 6 nor the Authorized Person who signs this form.

| Name: | Title: |
| Victor Trejo | Director, Computer Svcs & Communications |

Telephone number
(928) 674 - 9868

Fax number
(928) 674 - 9656

E-mail Address
vtrejo@chinleusd.k12.az.us

13a. ☑ Check this box if there are any restrictions imposed by state or local laws or regulations on how or when service providers may contact you or on other bidding procedures. Please describe below any such restrictions or procedures, and/or a Web address where they are posted and provide a contact name and telephone number.
Competitive bidding regulated by Arizona State. Contact CUSD Purchasing at 928 674 9647 for complete details. References are also on the District RFP

☐ Check this box if no state and local procurement/competitive bidding requirements apply to the procurement of services sought on this Form 470.

13b. If you have plans to purchase additional services in future years, or expect to seek new contracts for existing services, you may summarize below(including the likely timeframes). If you are requesting services for a funding year for which a Form 470 cannot yet be filed online, include that information here.

Block 3: Technology Resources

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14. ☐ **Basic telephone service only:** If your application is for basic telephone service and voice mail only, check this box and skip to Item **16.** Basic telephone service is defined as wireline or wireless single line voice service (local, cellular/PCS, and/or long distance) and mandatory fees associated with such service (e.g., federal and state taxes and universal service fees).

15. Although the following services and facilities are ineligible for support, they are usually necessary to make effective use of the eligible services requested in this application. Unless you indicated in Item 14 that your application is ONLY for basic telephone service, you must check at least one box in (a) through (e). You may provide details for purchases being sought.

a. Desktop software: Software required ☑ has been purchased; and/or ☐ is being sought.

b. Electrical systems: ☑ adequate electrical capacity is in place or has already been arranged; and/or ☐ upgrading for additional electrical capacity is being sought.

c. Computers: a sufficient quantity of computers ☑ has been purchased; and/or ☐ is being sought.

d. Computer hardware maintenance: adequate arrangements ☐ have been made; and/or ☑ are being sought.

e. Staff development: ▣ all staff have had an appropriate level of training /additional training has already been scheduled; and/or ▣ training is being sought.

f. Additional details: Use this space to provide additional details to help providers to identify the services you desire.

Vendors must be capable of providing project management for all projects and working largely unsupervised to achieve District specified goals.

Block 4: Recipients of Service

16. Eligible Entities That Will Receive Services:

Check the ONE choice (Item 16a, 16b or 16c) that best describes this application and the eligible entities that will receive the services described in this application. You will then list in Item 17 the entity/entities that will pay the bills for these services.

a. ▣ **Individual school or single-site library.**

b. ▣ **Statewide application for (enter 2-letter state code) representing (check all that apply):**
   ▣ All public schools/districts in the state:
   ▣ All non-public schools in the state:
   ▣ All libraries in the state:

If your statewide application includes INELIGIBLE entities, check here. ▣ **If checked, complete Item 18.**

c. ▣ **School district, library system, or consortium application to serve multiple eligible entities:**

Number of eligible sites	8
For these eligible sites, please provide the following	
Area Codes (list each unique area code)	**Prefixes associated with each area code** (first 3 digits of phone number) separate with commas, leave no spaces
928	309,674,724,781

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17. Billed Entities
17. Billed Entities: List the entity/entities that will be paying the bills directly to the provider for the services requested in this application. These are known as Billed Entities. At least one line of this item must be completed. If a Billed Entity cited on your Form 471 is not listed below, funding may be denied for the funding requests associated with this Form 470.

Entity	Entity Number
CHINLE UNIFIED SCHOOL DIST 24	143224

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18. Ineligible Participating Entities
List the names of any entity/entities here for whom services are requested that are not eligible for the Universal

Service Program.

Ineligible Participating Entity	Area Code	Prefix

Block 5: Certification and Signature

19. ☑ **I certify that the applicant includes:(Check one or both.)**
a. ☑ schools under the statutory definitions of elementary and secondary schools found in the **No Child Left Behind Act of 2001, 20 U.S.C.Secs.7081(18) and (38)**, that do not operate as for-profit businesses, and do not have endowments exceeding $50 million; and/or
b. ☑ libraries or library consortia eligible for assistance from a State library administrative agency under the Library Services and Technology Act of 1996 that do not operate as for-profit businesses and whose budgets are completely separate from any school (including, but not limited to elementary and secondary schools, colleges and universities).

20. ☑ **I certify that all of the individual schools, libraries, and library consortia receiving services under this application are covered by technology plans that are written, that cover all 12 months of the funding year, and that have been or will be approved by a state or other authorized body, an SLD-certified technology plan approver, prior to the commencement of service. The plans were written at the following level(s):**
a. ☑ individual technology plans for using the services requested in the application, and/or
b. ☑ higher-level technology plans for using the services requested in the application, or
c. ☑ no technology plan needed; application requests basic local, cellular, PCS, and/or long distance telephone service and/or voice mail only

21. ☑ I certify that I will post my Form 470 and (if applicable) make my RFP available for at least 28 days before considering all bids received and selecting a service provider. I certify that all bids submitted will be carefully considered and the bid selected will be for the most cost-effective service or equipment offering, with price being the primary factor, and will be the most cost-effective means of meeting educational needs and technology plan goals. I certify that I will retain required documents for a period of at least five years after the last day of service delivered. I certify that I will retain all documents necessary to demonstrate compliance with the status and Commission rules regarding the application for, receipt of, and delivery of services receiving schools and libraries discounts. I acknowledge that I may be audited pursuant to participation in the schools and libraries program.

22. ☑ I certify that the services the applicant purchases at discounts provided by 47 U.S.C. Sec. 254 will be used solely for educational purposes and will not be sold, resold, or transferred in consideration for money or any other thing of value, except as permitted by the Commission's rules at 47 C.F.R. Sec. 54.500(k). Additionally, I certify that the entity or entities listed on this application have not received anything of value or a promise of anything of value, other than the services and equipment sought by means of this form, from the service provider, or any representative or agent thereof or any consultant in connection with this request for services.

23. ☑ I acknowledge that support under this support mechanism is conditional upon the school(s) and/or library(ies) I represent securing access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity necessary to use the services purchased effectively. I recognize that some of the aforementioned resources are not eligible for support.

24. ☑ I certify that I am authorized to order telecommunications and other supported services for the eligible entity (ies). I certify that I am authorized to submit this request on behalf of the eligible entity(ies) listed on this application, that I have examined this request, and to the best of my knowledge, information, and belief, all statements of fact contained herein are true.

25. ☑ I certify that I have reviewed all applicable state and local procurement/competitive bidding requirements and that I have complied with them. I acknowledge that persons willfully making false statements on this form can be punished by fine or forfeiture, under the Commissions Act, 47 U.S.C. Secs. 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. Sec. 1001.

26. ☑ I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program.

27. Signature of authorized person: ☑

28. Date (mm/dd/yyyy): **01/04/2006**

29. Printed name of authorized person: **Quincy Natay**

30. Title or position of authorized person: **Assistant Superintendent for Business an**

31a. Address of authorized person: **PO BOX 587**
       City: **Chinle** State: **AZ** Zip: **86503**

31b. Telephone number of authorized person: **(928) 674 - 9632**

31c. Fax number of authorized person: **(928) 6749646**

31d. E-mail address number of authorized person: **qnatay@yahoo.com**

31e. Name of authorized person's employer: **Chinle Unified School District #24**

Service provider involvement with preparation or certification of a Form 470 can taint the competitive bidding process and result in the denial of funding requests. For more information, refer to the SLD web site at www.sl.universalservice.org or call the Client Service Bureau at 1-888-203-8100.

Please submit this form to:

SLD-Form 470
P.O. Box 7026
Lawrence, Kansas 66044-7026
1-888-203-8100

For express delivery services or U.S. Postal Service, Return Receipt Requested, mail this form to:
SLD Forms
ATTN: SLD Form 470
3833 Greenway Drive
Lawrence, Kansas 66046
1-888-203-8100

FCC Form 470
November 2004

New Search   Return To Search Results

Chinle Unified School
District #24

ERATE 9 Detailed RFP

RFP NUMBER ADM06.1310
ENDING DATE : February 5, 2006

Request For Proposal for E-Rate 2006-2007
Approved by Chinle Unified School District Governing Board,
November 2005

The Chinle Unified School District is seeking proposals for upgrades to its technology at all schools in the District and for the District Backbone and telephony that are eligible for E-Rate funding. We seek vendors with a proven track record of service to their customers. The District presently has a Cisco equipped data communications network with both a Cisco call Manager and an Avaya Definity SI switch network providing telephone services.

We are seeking additional servers for DNS, DHCP, Content Delivery and EMAIL at most locations, call managers at three schools, upgrading fiber and internal connections and expanding our wireless facilities. This is in addition to tariffed services, Internet Bandwidth, T1 & DS3 services, eligible licensing and maintenance services on the District servers, and voice and data networks and network hardware.

The successful vendor must be capable of working for project completion largely unsupervised by District staff.

Interested parties should contact **Mr. Victor Trejo** at Chinle Unified School District #24, 928 674 9659 for equipment and work specifications.

Ms. Rose Kosea, Purchasing Agent should be contacted for full details concerning bidding and the District's RFP procedure. RFP NUMBER ADM06.1310 All Bids must be in our possession athe the Chinle Unified School District Administration Offices at US191 & Navajo Route #7m Chinle Arizona, no later than 2 PM on February 5, 2006. Bids should be addressed to the attention of Ms Rose Kosea and be clearly numbered with the RFP number listed above.

Chinle Unified School District #24
Erate Year 9
Detailed Specifications

SUMMARY- ALL LOCATIONS

Inside Wiring : We want to increase drops at all schools to minimum of eight per room for student use. We need to add new drops for IP TV. Some campuses need a complete upgrade from CAT5e to Cate 6 wiring.
to accomodate the increased number of ports.

Internal Fiber : Presently at most schools, fiber may not be used to connect the MDF with IDF's and computer labs. To maximizs backbone speed we are asking this be done.

External Fiber: From DO to main MDF's all cables must have specs on Loose Tube outside Plant Cables , designed to survive weather conditions on aerial or underground. This project should also include 4" minimum duct and Inner duct to protect the cable.

Smart Net : This School is completely equipped with Cisco Devices and the need to maintain de devices we need to have our Smart net renew every year. Devices include 4506, 4507 and 3550 all inline power switches.

UPS : The School uses ups to protect their valuable switches and

also need the yearly support renewal to maintain the units; the Units are Symetras 6 KVA and smaller units.

Servers : This school needs a DHCP, Email, and DNS Server, They have a very old Transource Dual Processor Servers date 1995 (District has standardized to Dell Server's or devices).Servers should have a minimum of two gigabytes memory, fast 250gigabyte hard disks, multiple ethernet ports, dual core and dual processors running a minimum of 2gig or faster. Microsoft Sever 2003 is the preferred operating system. Each server should also have two CDR/DVD reader-writers, graphic card and keyboard. 19 inch flat screen monitors are standard, as are optical mice and multifunctional keyboard. Each servers must alos have the quoted option of tape backup units installed or a quote for a cartridge fed automatic tape backup unit that can automate all backups, if allowed in ERATE funding.

Wireless access Points : Th ese devices help our mobile computer labs (laptops) with internet access and will also serve as access points for portable IP phones. UPS's must be included as we require the devices remain functional when power is down..

LOCATION:
puter Services Computer and Telecommunications Center, Chinle, Arizona

This DO is the center and trunk for all our close circuits on the District , Routers, Firewalls, Core Switches, PBX phone, Call managers, Dns Server, DHCP Server, Storage Units Servers, Cache Engines (proxy server), Email Server, Terminal Server, Web Server, Also this site is the link to our ISP provider (T1's terminals, DSL and DS'3) , Wireless access Points, CAL licenses Server , All devices Serve the District basic needs.

The DO has a service on homeruns links to avoid massive

downtime and all bid's or proposals must follow the same specs and standards .

INTERNET SERVICE PROVIDERS

We are seeking quotes for Internet Service Providers to provide up to 10 MB bandwidth over T1 or DSL/DS3 circuits at the most econoimical pricing. We will also
consider proposals for data concentrator that can pack more than 1.54 mb of content into existing T1 circuits. All Service providers must be able to provide the
district access to usage - both up and down stream- on request.

Cellular Service
Presently there is only one Cellular phone provider serving Chinle.We wish to ewxpand service and retain existing telephones as well as adding additional services.

DIAL TONE and POTS Service
Presently Navajo Communications aka Frontier Communications is the only provider available for POTS. We are accepting proposals for long distance services. Please call for details.

Maintenance on Legacy Avaya PBX System
We presently have a Definity PBX network serving almost 1000 telephones with Audix voicepower voicemail. We need, at the least, maintenance and software upgrades for this equipment. There is one definity SI as a PPN with five EPN's attached by fiber. There are also three stand alone units at the Many Farms, Tsaile and Administration (New) complexes. All have BEST UPS's that require maintenance.

NETWORK/ SERVER SOFTWARE UPGRADES and User Licensing
Please call Mr. Trejo for Details.

ISI Call Accounting System
Maintenance and Software upgrades as appropriate.

Network Hardware Maintenance

As is permitted by E-Rate we desire a quote for all network hardware, including routers, switches, DSU_CSU's, data concentrators, servers, and cache engines.

IBM AS400

Maintenance quote is requested for the 810 As00, operating system and attached server.

LOCATION:Chinle High School

Inside Wiring : this School need to upgrade classrooms with Category 6e and meet our Technology
 specification that each classroom can accomodate 5 computers, each with their own data drop, printer drop, and IPTV drop. So, in general each room should have 8 drops to meet the demand on Internet and
application usage (all cables must comply with Plenum
 are located on the campus and the added
to accomodate the increased number of ports.

Internal Fiber : Every MDF to IDF should have Single Mode fiber links with Breakout Cables 24 strands all terminated on SC. Also fiber should be link to all
computer labs Switches.

External Fiber: From DO to main MDF's all cables must have specs on Loose Tube outside Plant Cables , designed to survive weather conditions on aerial
or underground. This project should also include 4" minimum duct and Inner duct to protect the cable.

Smart Net : This School is completely equipped with Cisco Devices and the need to maintain de devices we need to have our Smart net renew every year.
Devices include 4506, 4507 and 3550 all inline power switches.

UPS : The School uses ups to protect their valuable switches and

also need the yearly support renewal to maintain the units; the
Units are Symetras 6 KVA
and smaller units.

Servers : This school needs a DHCP, Email, and DNS Server,
They have a very old Transource Dual Processor Servers date 1995
(District has standardized
to Dell Server's or devices).Servers should have a minimum of
two gigabytes memory, fast 250gigabyte hard disks, multiple
ethernet ports, dual core and
dual processors running a minimum of 2gig or faster. Microsoft
Sever 2003 is the preferred operating system. Each server should
also have two CDR/DVD
reader-writers, graphic card and keyboard. 19 inch flat screen
monitors are standard, as are optical mice and multifunctional
keyboard. Each servers must also
have the quoted option of tape backup units installed or a quote for
a cartridge fed automatic tape backup unit that can automate all
backups, if allowed in
ERATE funding.

Wireless access Points : Th ese devices help our mobile computer
labs (laptops) with internet access and will also serve as access
points for portable IP phones.
UPS's must be included as we require the devices remain functional
when power is down..

Location:Chinle Junior High School, Chinle, Arizona

Cable : this School need to re-wire some of full in some of the
classrooms with Cat 6 and meet our Technology Plan on 5 Pc's
each with their own data drop, printer drop, and IPTV drop. SO in
general Each room should have 8 drops to meet the demand on
Internet and application usage (all cables must cumply with
Plenum specs from current standars).

Internal Fiber : Every MDF to IDF should have Single Mode fiber

links with Breakout Cables 24 strands all terminated on SC. Also fiber should be link to all computer labs Switches.

External Fiber : From DO to main MDF's all cables must have specs on Loose Tube outside Plant Cables, designed to survive weather conditions on aerial or underground. This project should also include 4" minimum duct and Inner duct to protect the cable.

Smart Net : This School is completely equipped with Cisco Devices and
the need to maintain the devices. We need Smart net renewed every year. Devices include 4506, 4507 and 3550 all in-line power switches.

UPS : The School uses ups to protect their valuable switches and also need the yearly support renewal to maintain the units; the Units are Symetras 6 KVA and smaller units.

Servers : This school needs a DHCP, Email, and DNS Server.

Wireless access Points : This device is set to help our mobile computer labs (laptops) with internet access.

Location:Canyon De Chelly School, Chinle, Arizona

Inside Wiring : this School need to upgrade classrooms with Category 6e and meet our Technology
 specification that each classroom can accomodate 5
computers, each with their own data drop, printer drop, and IPTV drop. So, in general each room should have 8 drops to meet the demand on Internet and application usage (all cables must comply with Plenum specs to accomodate the increased number of ports.

Internal Fiber : Every MDF to IDF should have Single Mode fiber links with Breakout Cables 24 strands all terminated on SC. Also fiber should be link to all computer labs Switches.

External Fiber: From DO to main MDF's all cables must have

specs on Loose Tube outside Plant Cables , designed to survive weather conditions on aerial or underground. This project should also include 4" minimum duct and Inner duct to protect the cable.

Smart Net : This School is completely equipped with Cisco Devices and the need to maintain de devices we need to have our Smart net renew every year. Devices include 4506, 4507 and 3550 all inline power switches.

UPS : The School uses ups to protect their valuable switches and also need the yearly support renewal to maintain the units; the Units are Symetras 6 KVA and smaller units.

Servers : This school needs a DHCP, Email, and DNS Server, They have a very old Transource Dual Processor Servers date 1995 (District has standardized to Dell Server's or devices).Servers should have a minimum of two gigabytes memory, fast 250gigabyte hard disks, multiple ethernet ports, dual core and dual processors running a minimum of 2gig or faster. Microsoft Sever 2003 is the preferred operating system. Each server should also have two CDR/DVD reader-writers, graphic card and keyboard. 19 inch flat screen monitors are standard, as are optical mice and multifunctional keyboard. Each servers must alos have the quoted option of tape backup units installed or a quote for a cartridge fed automatic tape backup unit that can automate all backups, if allowed in ERATE funding.

Wireless access Points : Th ese devices help our mobile computer labs (laptops) with internet access and will also serve as access points for portable IP phones. UPS's must be included as we require the devices remain functional when power is down..

Location: Mesa View Elementary School, Chinle, AZ

Inside Wiring : this School need to upgrade classrooms with Category 6e and meet our Technology specification that each classroom can accomodate 5

computers, each with their own data drop, printer drop, and IPTV drop. So, in general each room should have 8 drops to meet the demand on Internet and application usage (all cables must comply with Plenum specs to accomodate the increased number of ports.

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Wireless access Points : Th ese devices help our mobile computer labs (laptops) with internet access and will also serve as access points for portable IP phones. UPS's must be included as we require

the devices remain functional when power is down..

Location: Many Farm Public School, Many Farms, Arizona

Inside Wiring : this School need to upgrade classrooms with Category 6e and meet our Technology
specification that each classroom can accomodate 5 computers, each with their own data drop, printer drop, and IPTV drop. So, in general each room should have 8 drops to meet the demand on Internet and application usage (all cables must comply with Plenum specs to accomodate the increased number of ports.

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Wireless access Points : Th ese devices help our mobile computer labs (laptops) with internet access and will also serve as access points for portable IP phones. UPS's must be included as we require the devices remain functional when power is down..

Location; Tsaile' Public School, Tsaile' Arizona

Inside Wiring : this School need to upgrade classrooms with Category 6e and meet our Technology
 specification that each classroom can accomodate 5 computers, each with their own data drop, printer drop, and IPTV drop. So, in general each room should have 8 drops to meet the demand on Internet and application usage (all cables must comply with Plenum specs to accomodate the increased number of ports.

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External Fiber: From DO to main MDF's all cables must have specs on Loose Tube outside Plant Cables , designed to survive weather conditions on aerial or underground. This project should also include 4" minimum duct and Inner duct to protect the cable.

Smart Net : This School is completely equipped with Cisco Devices and the need to maintain de devices we need to have our Smart net renew every year. Devices include 4506, 4507 and 3550 all inline power switches.

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Servers : This school needs a DHCP, Email, and DNS Server, They have a very old Transource Dual Processor Servers date 1995 (District has standardized to Dell Server's or devices).Servers should have a minimum of two gigabytes memory, fast 250gigabyte hard disks, multiple ethernet ports, dual core and dual processors running a minimum of 2gig or faster. Microsoft Sever 2003 is the preferred operating system. Each server should also have two CDR/DVD reader-writers, graphic card and keyboard. 19 inch flat screen monitors are standard, as are optical mice and multifunctional keyboard. Each servers must alos have the quoted option of tape backup units installed or a quote for a cartridge fed automatic tape backup unit that can automate all backups, if allowed in ERATE funding.

Wireless access Points : Th ese devices help our mobile computer labs (laptops) with internet access and will also serve as access points for portable IP phones. UPS's must be included as we require the devices remain functional when power is down..

Location: New Administrative Center and Support Services, Chinle, Arizona

Inside Wiring : this School need to upgrade classrooms with Category 6e and meet our Technology
 specification that each classroom can accomodate 5 computers, each with their own data drop, printer drop, and IPTV drop. So, in general each room should have 8 drops to meet the demand on Internet and application usage (all cables must comply with Plenum specs to accomodate the increased number of ports.

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Wireless access Points : Th ese devices help our mobile computer labs (laptops) with internet access and will also serve as access points for portable IP phones. UPS's must be included as we require the devices remain functional when power is down..

Location: Alternative Education (Turquoise Dawn School)

Inside Wiring : this School need to upgrade classrooms with Category 6e and meet our Technology

specification that each classroom can accomodate 5 computers, each with their own data drop, printer drop, and IPTV drop. So, in general each room should have 8 drops to meet the demand on Internet and application usage (all cables must comply with Plenum specs to accomodate the increased number of ports.

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Wireless access Points : Th ese devices help our mobile computer labs (laptops) with internet access and will also serve as access

points for portable IP phones. UPS's must be included as we require the devices remain functional when power is down..

For more information, contact Victor Trejo at Chinle Unified School District #24 928 674 9659   Email-
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